Aviation Tevs Megraw-Hill Publishing COMPANY, INC. JANUARY 15, 1345



Boeing's New C-97 Super Cargo and Troop Transport: The record-breaking airplane—biggest landbased transport—which flew the 2323 miles from Seattle to Washington in six hours, three minutes and 80 seconds, is shown in flight in this new photograph.

Wide Ramifications Likely on CAB Air Service Patterns Board's report expected to be reflected in future international pegatiations as well as South Atlantic

Advisory Group to Have Major Role in Post-War

Shipping Firms Deny Joint Move for Air Routes

Biddle Intervention May Force SPB Policy Revision

Score of Aviation Bills Introduced on Congress Opening Virtually all phases covered, including new Lea

(3年/195/VD)





TRANSMITTING PURES

OFFICIAL PURPOSE TURES.

THE AVIATION NEWS Washington Observer

AIR POWER RESULTS Morehors of Conare reported satisfied with solution and much ground operations. It was said the enemy is dispersion and putting anderground so much Allier had been able to etribe easle in the year with the oir power they new bave, the Webrmucht might have been parelyced. As it is, the Noois have been greatly sleered by the air oftack. It was reported from one source that butthefields are littered with dead heree, used by the Germans to head facilies artillery

GERMAN PRODUCTION...There is conver-

Nowwer dissendatesest over the affect of bombing is definitely in the minds of some how the Germans monage to evode so much destructive force or to rebuild after it-

said to have saked for unbatastial prochers of ole transport engineered under the 1644-45 Land-Laure Protocol. While they would like to get some of our newest types, current epicion in Washington is that they will have to be eatiefied with DC-Fs. Czechoslovekia, Yagoslovia provious to receive DC-2's under Lend-Lense.

of War and Navy have represented Constrain that

saited on all matters pertaining to international evistion; that War and Navy Department apto foreign commercial audines to operate in this in citable/spent of air nevertien families and national surport pregrams

ARGENTINA RELATIONS-While the primore reason for the President's desire to read the had effect the present situation has on Letin Assertions relations concrelly, the nest-war intermeticuel evieticu picture is else an imperiori factor, With the British (sunerally regarded es our chief rivels) holding als nests on the lateries Council to our one, interested American efficiels ore envisors to solidify our relations with Letin Auerica, which halds six neets and conerolly occupis our views regording post-wor avisition.

WELLES TO BUENOS AIRES-Hottest retire-U.S relations Report and be went incor-

BRITISH BUILDING-British Airways is reported to be taking adventage of our relegions with Argenties by ettempting to build un their position in thet country. The Dutch and TACA else ore ective.

Wrecked anguses of B-29 destroyed in Jap rold on Serous base



This Catch Never Gets Away!

stock feeding, visures oils, and technical oils

craft bring in over 61 per cese of the total American consumption. The 6th packing industry of the West turns out 65 per cent of all cannel salmen, turn,

AVIATION NEWS

Core Lifter Trouper Live

ANDREW & MARRIE CONTENTS

Publisher and Exceptive Offices, shi 1913 Vol. 2, No. 21 Publisher Mildrey Hot Fühltsbing, Co., Inc., oner Allow on den ber change Educations can distant bears.

the country . . . sale-spany fresh because it was shapped by size In the time-... said well serve agriculture ... minute ... hamber ... and the many new error prises that are building an undustrial empire. And, Western Air Lines is the one

company which was been in the West and has grown and developed with the West led knows in reasonialities, betweendomizeds the needs of the Western mweler and shipper. GENERAL TRAVIC OFFICE 510 W. SCETH STREET, LOS ANGELIS 14, CALIFORNIA

WPR ADVISORY COMMITTEES-Plans are pyroceted for supplishment of both on accepts

 Youthful Bingley Hiller will struction is under way on a zet set of different desate which he expects will represent still other improvements. West Caset available experts are

MA new tempo to-down using magnetism stress

servers see it as a satisfactory, memperative fire

Although reports continue to be published short

cont grade beatonite, used in pucking agreraft then arrived resistant deterioration will counder allocation the first of February. This product has been a substitute fee declarest cities pel, which is in fight supply and has been under allocation for same time. The action will be taken to cause almost complete diversion of both commedities to the military, according to WPE carrees

rund development of helicopter speeds, the rece-

AAP authorities, in addition to permitting me Although the press did not emphosize it, Glean

Acro Services, Inc., Van Nuov. Cal., in anglina

Montreal and has been used used 1942 by wilou by engagers and are being studied by surface officials for possible installation in surlines after Developments in design and construction lead

AVIATION NEWS . January 15, 1945 AVIATION NEWS . January 15, 1945

PRODUCING WING SPARS ON SHORT ORDER

By WILLIAM WINTER

Editor of "Air Trails" and nother of "War Planes of All Nations" tells how Bell Aircraft has developed a spor milling muchine that in twenty-Iwe minutes does the job that once required twenty-four hours.



"HE Bell-designed spot stilling has mark to sport up American sin-marking is one of the great con-craft production. Province to the de-



MEMBER ASSCRAFT WAS PRODUCTION CONTAIN. TANT COAST. BSC.

by Bell and many other alcoraft compo-Alecraft pairests, turns out the sports for the glass Boxing B-29 Seperior-

"The Bell spor milling machine, first developed in 1940, makes a cut wade at the rase of some-five raches "Under the old, slow seethed the

material was fed into stationery outer bruch. In the Bell-designed will the entter moves across the metal, which some up to grip family the spor beand the moving section.

"Since the cutties head rum on a "Each surchine is its own mediculparated onto the high speed cetter heads enter away the shanage and "The advanced design which Bell welling machine am further evidence factor that now makes this country the

engineering ability will be unlisted in producing percentile products that and greater values."

* Box War Bonds and Steel Fitters *

Areashes (P.33) and Kongrebus (P.63) - Fighters Amount -- Asserted (P.53) for Probelled Plane ORBHANCE DIVISION Flexible Gars Month and other enforces materials

GIOLGIA DIVISION

C-97's Record Flight Indication

is transport version of B-29 Superfortress. The record-breaking flight last

nort which few pon-step from

Septile to Washington 3323 miles

ways in the commer era of high

Comtellation Mack Broken -

Lockbeed's Constellation, which

few the slightly less than 2400

seconds. The average speed was

by Boeing at Seattle under con-

treet with the Air Technical Ser-

complete confert

This counterpart of the Borras

Of Postwar Transport Performance

Scattle-Washington, D.C., hop of Booing's new cargo plane, capable of carrying 100 passengers at 30,000 feet in pressure

cabin, gives hint of what to expect in airline of future; craft



The C-97 is powered by four 18crimeer Wright Cyclone engines. the same as those used on the B-28 They drive four-bladed

capable of carrying more than Stratocramer, which will carry up the field to lead or unload the plane Two fully-leaded ton and the ramp and into the simplime accommodated. The cargo hout

sultary lead transport, it has a space almost equal to that of two

This new years cares and trace. Marge Londing Deces-A unique week of House's new C-97 trans- transport for the Air Ferens in feature of the C-97 as a pair of hirth lending doors which open The rump is self-contained and is retracted by an electrically powered houst eliminating the

of the way, the pressurined coher > Restricted-Details of the plane's performances, operating range, is larger, faster and will carry a course length of the frankirs. Leading Facilities-To facilitate systems of ropes and nets. One



Silbosette of C-97 in Flight: The occodynamic a counterpart of the B-29 Superfortron, or crephe-

AVIATION NEWS . Japaney 15, 1945

Mars Larger against 141 foot unpresent of

large pallets which are proloaded on the ground and the cargo lashed flown. The entire pintform is then Placindes Jet Power-Sco Sul-Two deciss of the plane are achieved by building, in effect, one Oselage section on another, the upper section being lorder The

plane to military carps. Standard crew for the plane will be comengineer, radio operator, radio sp-Asks \$10,000,000

Air Research Bill An expressiation of \$10,000 and Rep Bullwinkle (D-NC) the

cloding set and say turbine units

|Self-Striets| Alough Sundards Con-editor, ASSA, Eprick Circle Freshor Hording Street Strict, Chingo, El | Self-Sulman Alough Earthyth Con-cession of Advances Consumer

Jen. 15-16-Engine Technical Committee meet-ley, Ends Leologius, New York, Jan. 15-16-16 Propent Committee, ATA, Chi-Jan 17-19-Datheral Alberta Stanfarin Comnelles Accid, dealers of determine En-graces Clouds Sender moders, Street Peters Ground Erwales meeting, Herrica Batel, Chinage, Bi Jan, 20-09—Windor Technical Meeting Assent on Louthole of Edwardson Engineers, No pleasuring English Son York, Part, 65-61... National Assessment Assessment assessment overlay, Enrick Public State, State Jan. 16-July, 5-16th Arms Mosting of In-states of Assessmental Solvers, Nov. York, appendix

. 3-6-day Carrier Performance School and Arts, Encel Legislan.

terment meeling, Basher Keist, Wasineyes, Marchand Assengaling, Marching, InApplication of the Committee Statements of the Same Extens, New York Line
Age, 1945—Alaylor Treatment Committee, Apr. 1945—Alaylor Treatment Committee, Apr. 1945—Alaylor Treatment Committee, ACOA, State Options, 1980—Alaylor (1980), ACOA, 1980—Alaylor (1980) cross-section of the plane refederal department or agency as main cabin 78 feet long above, bildy of carrying out the purpose permits Sembelity in undering the of the set



Size of the double-deck Borong C.07 which is comple-





AVIATION NEWS . January 15, 1945

Score of Aviation Bills Introduced On Opening Days of New Congress Virtually all phases covered, including new Lea measure call-

ing for basic changes in Civil Aeronousies Act of 1938. More than a score of bills, easys, ... erts are measured by the state sir-

The horbly contraversial Lea-Figurdolph Bill Assess First --

of both air commerce and private States and their political subdivisteen, and other non-Pederal sucn-State and Urban Program-The Class 4 and larger acrossis.

discussing this controller,

Aviation Standing Committees Ureed

dolah to establish a drymon of avaitan education in the Office of Files Woodrum (D-Vs.) intro-Select Committee on Post-war

rectly to the public agencies spontroduced by Handolph and Benstruction and development of some Filen Soyder (D-Pa) proposes creation of an effice of malifary re-War Department and a similar pariment in a bill by Rep. Shepwould cover a five-year persod,

come up in weeks to come will

AAF Status Certain Of Congress Debate

Proposits for independent orequal rosing with Army and Nevy also to be threshed our.

debate in the new Congress Sevand others probably will follow. been introduced by Rep Maloney

proposes the establishment of a Departments pertaining to avinrank and under secretaries for the Rep. O'Brien (D-Mich) pro-

Seek Labor to Ease Aluminum Shortage WPB officials are management as

F War Optioners Factor-T. E. Co-

Aluminum companies which had terring production describe declar-Ditocks Low-Thus population is



sterre stene in WPR who assumed away handed by Monry Nalson, or

Bahcock Election Draws Interest

vel, deputy director of WPB's incly programment in the biss magni-

in 1925, he continued as vice-sorespeneral ranger to 1834. He has of the board of Aviation Corp. Willists F Wise will continue as ex-

WPB Acrs to Fase Airline Supply Job Agrerafy Divinion seeks to sim-

new Aircraft Daymen of War Pro-

A second step involves the inturnal operation of WPB with the h Allaterest Symbols Changed -nation to replace the MRO symbol

MRO symbol under blanket auenables the surine operator to spente, for compraction of an ex- equisities of additional planes or

makes a point that it connet funeairfines, it is believed that with

clearance within WPR for tight

Biddle Intervention May Force Revision of SPB Basic Policy

Arrogrey General submits preliminary report to Congress: opposes return of war goods to original manufacturer for sale to public with maker acting as agent for U.S.

Interpretate of Attorney Gen. | Veterane' Preference-There has eral Franca Siddle in the surplus of the surplus localistics to clear instrument surplus, permetting war of the Surplus Property Beard. nominal cost. The arrument here The Attorney General has submitted a probmarmry report to ment parts. This, however, is only > Support for Industry-Contracts. Surplus Property Board, which able to most manufacturers, alday. The SPR officially began functioning Jan 1, taking over from the Surplus War Property intervention of Mr. Builde came as

engipment and commu. Several Baddle's attatude that return of

safar as engines are renormed-4 company There need on it that guarantee that their standards of also raise the passt that licenson menadocturers have in many in-

to "economic sucede." Industry

FIRST P-18 FROM CONVAIR Nonhootile December of Openshidated Valtee has completed up first won-

ship is now in test fight. It was named for Tennessee, the Volunteer

2000 Re-000702 for P-18 production was storted while the edged have

a period of years following the and halted technological pourrent Output Up Sharply

tion of its own, an eventuality that

In Midwest States Produced 240,000,000 possels of

with 111,000,000 to 1961, ATSC Thirtiers states in the Midwest-Service Command professed 248.-000,000 pounds of sixtremes last

Brit. Gen Ray G Harns, in The action of Mr. Biddle probcommand of the durtrict, noted ably will require that the SPE re-1,000 more planes last year as a Vulter-Fort Worth. The district produced more than \$2,300 com-Heavy Planes Stressed-Modifi-11.590 appointed pundy for combat. The emphasis throughout the Mid-

> General Harris commented that the workers at Martin-Occaba

was 10 times greater to 1944 than Employment in the aircraft. used of 300,000 In addition there Bill Asks Tighter small plants and shops in the 18 states-Wreening, Colorada, Neb-

rasks, Kensas, Oklahema, Mu-Harris said thousands of new

ever in types of planes direct the Douglas-Tulin from B-24 Lab-

have been on a 12-hour day; those Cosmo-Wichito from C-76 Cessus, or contract carrier or engaged to day and seven-day-wook Product Consolidated Valley-Port Worth solidate or more their properties. tion of "the very heavy bomber" free B-34 to B-32 Decision or any substantial amount thereof

Merger Control

tions; expected to provoke wide-

tract carrier or ennaged in any foreign air carrier or any citizen of dery to IS-29 Superformence, the United States who is a common, any air current or if such common

Average Life of Warplanes Short

For the first time it is possible supplies from a year area to se has The life of a transport in

planes The AAF ensigns gives the soundrens: 6,000 were in the sun-

ready reserve of 1,000 rymained

5,000 transports and 2,000 habit

Further, the bill would make it properties, or any substantial pect

An emendment to the Civil purchase, lease or contract to oper-Acronistics Act across relicity to ato the properties for any substan-

For any person engaged, other-

Persons the repristant are so all

New DPC Grants

on increase of approximately

\$390,000 by Defense Plant Corp.

equipment et a plant in Angea, DPC also agnounced execution Aeronautical Corp. St People Shipping Firms Deny Joint Move For Air Route Certification Statement, issued by National Federation in behalf of mee chant marine, says the eight companies seek only right to be

considered on equal footing with other applications

merely sak an even break with certainly." At the time of this did in a statement samed by the Stepping in behalf of the merchant

Zefore United Fruits' withdraw companies, rather than some other al from the CAB case, the Amerikind of company, be not held steamskap lines. Others are Atcosts and the determinant factor American President Lines, Ltd., should always be the public in-

conts thereby were keet from

As this was written, no legisla-

House Merchant Marine and Poly-

are whereby the Commission

connection, instead of arting as

P'Lock of E. S. Policy' Cited --Seas Shapping Co., and Watermen

The Federation, positing out than 100 American shipping comshon" Failure to permit this na-

Cancel IAS Dinner



MOSOUTTO WITH PRESSURIZED-CABIN The Mosquito Mark XVI, shows here in this ness picture is equipped

Plane Industry's Outlook Linked To Aviation as Peace Instrument

Air power to be dominant factor in promotion of peacetime prosperity as well as in inevitable victory, ACCA points out.

Past-way outlook of the aircraft the new Constrain may have somethene to any on the size of the post-There are strong understoon Air newer, they point gut

ion air power is arrest quality. to see that sincract manufacturers have sufficient controcts to emble them to continue the pare and quality of seconaution, develop-PAir forces of such strength. Biggst Market-The burrent product for the extensit industrial

FA fully developed system of

FThe broadest and fallest use for air transport planes, Burden Latest Japanese vs. U. S. Fighters and Bombers

Tra Sound Stellar Take of the

Flori Filter P-E B Aver Night Sales Historia Straight Straight Sales

Falling 12000 Stry draghants See Not TEX-1 Hery toronto breature #800 mah 800 miles Note to

ERT (nicetagraphic F.St 1) Army

Market Scott (Stock) Americans

Janeiro a 168 Army Tight hatcher 44(4) such 180 miles (2) 4000 km

For Search Stational Value of the

And 33 Chicales, of Thumbelodi Shery Salter \$17 mah. All ratios 1850 has

Total I Make aga 600 miles Miles against

Principles of the Principles of the Police o

Nick? Street Streets Of Std by

Bill made of the last of the last

Military Strain of Military

Berg 22 ... New neither beader

Property In 10 today, or Military Name openious

July 12 Civisi, or Court

242 18 200 mah Navy topody brasker not mile 1800 hr Mget 12 Chains, or French Spring proce

deep not expect a mass market which \$110,002,000 was classified

Personal Plance-Estimates on widely Civil Agreemetics Adminstration estimate is 450,000 civil \$100,000,000. It should be em-

the first problem. Second barrier

AAU Adds Commerce Union-Ocean Group Associated Aviation Under-

Companies in the Commercial Paralelete P of D.M. Army Spins Markony 7-31 D Political Array Spinish Signatury P. St. L. Philippe St. Comp. Replace. Earson FY-SH Hery make Ephone 120 male 400 miles (1) 6000 mg Flore Call PTF-GSY North might Sphills surance Co., Ltd., Polstone Insur-ance Co., Ltd., Union Assurance

writes only systion insurance.

Dr. L. G. Lederer, PCA's medical

Emb 27 New parel hunter for Identity FRET S. New parel breate 800 mph 1000 miles 41 1000 hp 202 mph 1300 miles 10 8400 hz

New Advisory Committee to Have Major Role in Post-War Aviation

CAA administrator's appointment of group representing both private fiver and plane industry is regarded as important step forward in obving more overnment attention to non-schedmled flying

Larm scale success of personal aviation in the immediate post- non-acheduled switchen Meetings war years may depend in considerable measure on the functioning on Non-orbeduled Tiving reprethe aviation industry, which has just been greated by T. P. Wright.

Establishment of the advisory committee is seen as an effort on minutester Wright in charge of presum opportune the development of personal avarion, charter 12-Man Cammittee - Working challing seven leaders in private

Lankford, CAB safety bureau di-Jack Nelson, of CAA, who will While the Administrator has si-

ready invited representative or-

personal system to make their either to Administrator Wright or to Executive Secretary Nelson et

see will be staggered but of short a wide cross section of spenion AVIATION NEWS . Junuary 15, 1945 working with OPA Pelroleum Administration, WPB and other

'The univate fiver and nonscheduled operator do not feel that eral aviation accordes," Wright sool. "We know that private from

'Approved' Plants Different relation manufacturing

surplanes and parts in the Wichste Forces "approved" imperious retnumetrator for action. Libewise Bostne Airplane Co., Beech Ave. it is believed that the committee graft Corp., Cossus Avrereft Co., Coloman Lamp & Stove Co., Kreh-

F Work of Committee - In an-Boyer Co., Penes City. Okla. that he expected it to serve a func- ing Co , Duncan, Oldin,



LONG RANGE TANKS ON P-47 THUNDERBOLT. 4 Benubbe Thursdorbolt, operation such the RAF, is shown here on a and about to take off for an attack on the Japa in Burnes.

MITS of heatmen range - Medianan

PRIVATE FLYING

Two Important Jobs Face Geisse In New CAA Personal Plane Post

Simplification of povermost regulations for private fiving at first objective second is promotion of turbuical development

of improved personal aircraft. By ALEXANDER MISURELY

priot's regulations 'have come a

"I feel, and the Administrator

tion," he added, "but really it means a more responsible sob for them and a pleasanter one, and as noon as they realise that the change will not mean losing their Physical Requirements - Dis- for development of specific techni- represent consultant for the CAA. custing physical requirements for cal properts for personal aviation, until his new appointment

that the proposal to build a lowin 1935, was nurrested as a work

to 1.500 to 1837, and had reached

Goisse envisions the govern-







Myon were to ask expert opinion in to what is responsible for the moidly especifing range of already you would get many

circus of new sarled deagen. As eagine deaguer probably would need with prids to unders carner. A recorder expert You probably wealth't find assess outside of the petroleum

Yet the reached stronger up of aviation reacher from about 65 octane to 300 and upwards through new relising method and the use of Ethol fluid, is one of the basic reasons for greater

combination with earness descraed for high-seture firely, the

What the emphysical of taskfuls of future bather nationed. conduct will be no one one one. But an important factor in future gar-travel, whether military, commercial or private, in the rand improvement of aviation manline.



AVIATION NEWS . Amory 15, 1946



FRENCH GYROPLANE DESIGN

Interesting French development for post-year centure use or the SE

erset Engine Corp., Madison, Wis. Plan Aviation Agency lindenant in the First World War. Administrator T. P. Wright in

make recommendations to the Adand to act as Baison offers for the Admiristrator with other area- sted a fleet of 25 planes. It now cies, federal, state and civil in operates 12.

the realm of Donable accomplishsenser redeate for trips of 200 ing days, closely approaches the combined management militarie of

arranged that each neighboring ness trips. Other incorporators are

Wright, PAC Agree On Technical Plan

Personal Asperaft Council of ACCA expected so said CAA in

gan, manager, and Joseph T. Geoung Jr, soting manager of the A two-stery affice building at Finds Controversy-Thus termiracal development program. Obtion, which operates at Buffalo and the countil have come a long new Republic amphibian, and for ine which eventually will pay off instructional center at the previrperchased building, with courses

There still remains, however, the Bureau approval on any appro-

Milwankee Port Plan Administrator Wright, to convince Plans to establish small airrorets in reddenical sections in the Mile a resitively small investment in Terior, an Army Air Corps capthree mearporators, reports the



L. A. Plan Envisages 48 Ports in County

Adoption of new program for ares to be considered in Mirch,

moster olan policy is being de-

property be incorporated in the The Countr's projection of plans ried set by planner communer points on 46 owners of unproved

ton with Civil Agreements Ad- low extension of the city's 2700-The Covercount's appert plan- Agentiff Co. to a leasth of 5000 nine group is under the direction feet.

h May Get Military Parts-Con-

yet developed, and for expansion. Santa Monica, within Los America

will specify areas restricted to of Arthur Adams, acting chief on- FAlbandara Field Inspectant-Ditiress and new corned by TWA has center a new automoded county aut- one 1800-feet rurway, to a field processing a 6500-feet matrices of safered in the plan will be the runways of 5993 and 5999 feet



Minneapelis-St. Paul Metropoli-

illuma and a

Sweplified dual taken controls, assessing-type starter, push-pull butcontrol name! The 3-4 piace plane, Consolidated-Valtee's first an-



Look at these outstanding Features

6. Alcord heat in deed proper Amuseus satisfy tymory

Tully medicating and non

new agracem meters here un dioect peoportion to calcon new electronic temperature cannot package travellseber transports in the once future. Write Agro Divi-



When a carrier-based plane has the deck for a landing-delicent flight instruments and electronic equipment are subject so seven shock, as well as vibration. Because of this, radio equipment in the Gruntman TBF Avenger is supported by Robinson Vibrashock* mountings. These new suspensions realtion viral equipment against banding

shock and absorb over 90% of all engine and presenter insulates. Today siterals, radio and manufacture manufacturers and users can obtain a two-purpose shock mount With the Robinson Vibrashock suspension, you have the only complete, fully engineered structure supermon, you aree our only company, and control throughout the cream operating range of arcraft

Robinson engineers are available to help solve your valuation problem Let us demonstrate how Valenthock suspensions will better the performance of your airborne equipment and minutine operanegal fulges

ROBINSON

AVIATION, INC. 710 filth Assess, New York 19, N First Newtonel Building, Hollywood 28, Calif

VIBRATION CONTROL &

Instructors Urged For Licensing Detail Revision of procedure proposed

public of courseous and friendly Proposal to desginate properly licensing pervate palots, which is instructory would handle reser-

that to the CAA, so that in dat Spot Checking-It is supposted

that the CAA could maintain on

be better appearated with his bucel's hundrens and abolities

Albany Meeting

convenienties. The commerce de-

Some States Curb Aviation Instruction

of cranified mothers and fact that ed as pee-induction subjects.

courses in arromatical subjects A survey made by Paul E the National Association of Secondary-School Principals, and reported in the December issue of On the other rade of the parture.

trouble is experted in establishing aviation courses as a subject for Lists 2 Clessifications-No. Elickcation in high schools will come

tions. The first is the infusion of materials on aviation into all The second last in the field of



Single landing strips, undely used in military struction, may be the

coming thing for private airports, particularly of cross-send landing year development is successful. Wichida's Chamber of Coveniere none-tenths of the tune, even with current landing year

has been a major problem al-In New Jersey, emphasis in avipre-induction program, with the

Briefing offering assation classes has For Privage Flyers and

year as compared with \$5 last

31% of Trainers Made in Wichita a little alarm, the recent indication Wichita's four airframe marris that Cleveland wants to resume the Netzeral Air Baces, after the Bemon Heliday-The National carding to Brue, Gen Ray G. Flore Air Baces were a thrilling dramatic spectacle, which year after

similance, and mangled lifeless boot for some time a steadily

races, as a public spectacle, are no about as unclear as wing-wellong. and other nemal feats of unessesplace of races, it species winterable to hold sysation expositions and courtels, with perhaps free, safe, condortable strukese rides k Value to Stience-Guerton has

eviation through agentific reis producing complete wing assembites for A-16's, Culver continues to turn out the speedy sufitary races, there is little doubt that the those major componer. Beeng CG-4A statem back in 1942 in ed-

reports to Mr Elicher in the fol- na said. In addition to the four portion of the area used pre-way curied by the new NACA enrice

at Shell there be any more Nomake of it a vast new travel utili- the thrills, glamour and glory, and the arrests of crush waxous and Fire and Tell Him-Of course the and nerform the feets of the bodies of during speed policie who enter has tudor sedan in the lin-FGrewing Feeling - There has ayuntion in still new, and many a prospective fiver can scarcely be

Chana National Aviation Corn

structors CNAC's U. S. address in Chapsles Badg, New York 17, N. Y. A short film fredere, World With-

out Borders, deports the history of production program, General Har- > Where to Pat B -- A considerable AVIATION NEWS a Juneary 15, 1965



Retractable-ailerons . . . a Northrop contribution to slow landings..."hoverability" short take-offs...tight, fast turns

by loaner flags, staffing speeds were higher than they needed to be. handone speech were expensive, Now there's an aslesson which frees that vital This new and more efficient type admon is the

Remonable sillerous and full-open flore are but two - festages that have made this large covin-firehorn In proposition, this Northrop achievement will conwas a received me of lording strin space. Northcore

biggest single reason the Northrop Black Widow. despite its beltiness and speed, handles so easily. . . Aircreft, Inc., Northeap Field, Havehorne, Calif.



AVIATION NEWS . January 15, 1945

Wightle now has \$2,000 green and

PRODUCTION

New Schedule Calls for Output Of 78,000 Warplanes in 1945

Unit production to be approximately 18,000 sixcraft under lost year has sirframe waight will continue over billion pound mark, compared with 1,112,000,000 in 1944.

By SCOTT HERSHAY

on to produce over 1,000,000,000 600.000 while current unit sched- places of all types as the Germans > Billion Deller Backleg - Lock-

from Europe indicate the Ger-Subject to Change-Charges in mans, despite their lower, have their effect on production sched- in June at the time we avoided when they were revised slartely & Challenge-The challenge facing

tion Brand and are adjusted as

somed to meet 1645 requirements Aircraft Corp., for example, has in effect for not regular. This was



LEADERSHIP LIKE LIBERTY ISN'T INHERITED



the fature from after, of fighting toward to the fulfillment of a metime dress.

This is the formula, And because leadership, like liberts, con't be inbenicel, the formula must be applied uncentingly-year after year-to Loco such leadership in force Thus- on their years-have evolved proud Lockhard somer String Origo, Floring Very, Ladester, Hadron, Lightnine Poss. Thus saday the Lockhood Constellation, thing for the Array Air Forces, admirably maintains this tradition and is itself a sixed fore-



CONSTELLATION FACTS

Assumes and compare that the factors insert contributing grades pained than may office and transport in fag. Cody. A cruising flight coiling of over 20,000 feet. The ability to use with grown to year-may standard airport. Offering more aperatural excommal feet on flighten of as botter as 100 mins) than the ordinary two-upin transport in me tody. Lear "on the ground" maintenance time—more however, the property of the internal fighten of the other fields per month, force planes per a distinguished to the contribution of the other periods in the six now fights per month, force planes per a distinguished.

The Lockheed Constellation

lighou speed a longest range a largest lout-currying coparity

of any land transper in one today a stud those performance fuctors

make the Constribution the sufect of any transport.

LOOK TO Lockheed FOR LEADERSHIP



A. All of the Count-Hotims completed to for home been turned oper

A. The Constillation crasses at more than 300 as p. b. Folly leaded

Or. Pilots of the Constallation must be supercreat How out they A. As a sector of fact, piloting the Constellation to got tensorse

den, electrics, asternes and Rigs at the pilot's Inddian Hou-O. In the Constellation as for an our horsest borokers? A. Constellation is approximately some six as our largest bushers. Send in your germons - Address Lockhood Assend

FOR NEW MORTO STANDARDS IN AIR DRANSPORTATION sons to Lockheed ton Hantasute

cargo transport and a new fighter. Very in fixtness even the alightest. Douglas surfriene production last year was 183,700,000 pounds less worth of planes The product New Device Speeds percent fewer employee than in 1961 Bulk of year's output wes the C-54 and the C-67 together

▶ Convolr — Consolidated Yulter's During 1944 they delivered \$357 places and counvalent maces. The

Beerng, Consolidated, Designa Lockheed, Northean, North Amereraft War Production Council

Special Plate Glass Developed for AAF

in which thickness conset vary racre than 3/14,000th of an meh in

Minimum Distortion - Special surface than glass has ever been length is held to 3/10,000m. He change stack should not vary in a rate sloug the inch length by

Photographs taken through ight rave "best" when they pass testing device. Under the former

Bomb Bay Opening Paramoric apparatus developed

then 15 seconds to 0.7 second. now snap open in seven-tenths of

the system was distated by the











the design of Lockheed's Constellation. Mamerum condition and min-

AVIATION NEWS . January 15, 1945



"Maximum" To Be Built In Australia: Locense to executarize P-51 Montager like that bemake-corrupts fighter has been crusted the

of Melbourse under the terms

Recumied By ATSC-The Ave me bomb bay door to meet this

A presumatic, or compensed as: Spring Concerns which coop- and Aleren cluded the Carnelius Co of Min-

Burlington Enlarges Cars for B-29 Parts Partitioner Limes' engineration

hazdic enembles of B-39's, the

\$ 65% Moved By Rad-The Sur-B-36's and B-39's was moved to the plant by real. Three thousand becan operations Jan 1, 1942

this handscarped the bombarder the planes is between \$90 and \$90 South: absorption from Arisons, California, Tennessee, Indiana

conterial from a dozen states; ensystem was engineered and test cago; propellers from Cleveland Schedule Up 35%

Eastern Dutriet of the Air Turks

amounted to about \$19,000,000 a Callins, commanding officer of the

Mustane Production Planned in Australia Avenuerneets have been corr-

The material, along with deweeked out with the Common-

wealth of Australia. The company akready is building, under beense,

North American's AT-4 Teres.

an unidentified number of P-11's. Production of the Mustane in trainn Air Force a Settler with a nubbashable speed of 450 mph. serline of over 40,000 feet and a

range of 2,660 miles.



plant in Greater, Noter, roll a center section of a Boeing B-29 Super-

MR. ENGINEER...66 years is a lot of leather

groups of America's lon industrial exceptors. These factors are responsible for the success of Serve leather products the solid foundation of knowledge about mechanical leather which is Chango Bewhide's greatest asset the custom-built designs developed by prunes absolutely uniform performance under all service conditions

If protection is your amblest, why not draw upon experience? If your postwar denois include nexts where irregular, accentuc or unresmal action makes a most seel impractical - a Sirver leather boot may be the answer. If unusual processors, residence, longservice or resistance to previous, shock or wheeling is demanded in peckings, washers, parkets, countries or valve discs . Chickgo Rewlade research can deseals, specify Sirver mechanical leather-

SIIVIS

CHICAGO RAWHIOE MANUFACTURING CO. No fro Poblish - Brist - Lockepts - Doubol Brise

THE AIR WAR

COMMENTARY

AAF Instrument Approach System Is Result of Many Years' Research

Pionecord by Doollittle and various areacies and airlines in the 30's perfected at insistence of General Knorr persons system eases strain of landing hig bombers by pilots fatigued after long hazardous flights, particularly in bad weather.

Historically, the recently an- set known as AN/CRN-3 comes neanced Army Air Force sisten- all crated for air transport, the Another peece of equipment is 1900's Larut Gen James H. Doo- the radio set AN/CRN-3, being as lopding by instruments. The de- guidance to an aircraft while makvelopments were shared by Army ing an approach and landing, this Air Corps, Sursel Corps, Navy, set our be mounted in a trader. Bureau of Standards, Radso Er- A straight-line guide path is pre-

The present system now in oper-Marker Beacon Sets - Turre ation in Espape was perfected murker beacon sets (AN/MRN-9) largely at the unistence of Moncontact, and a third is placed two MRN-3 radiates a fan-shaped patwith varying coded flushings for tended medium and heavy booth. Existence Europeant........... In order

signifies a major component, used his instrument name! He needs by Army, Navy or both, M means only to follow the number in the some way as he does in using the & Automotic Londings - Further nale actuate a special receiver

runway. The polet only has to -T' for fromprotion) as a fe-

Field, headed by Col Hobart II. Col. George F. Schlieber, communici-

The same and same and the same

every Monday Morning

10,000 KEY MEN **OF AVIATION**

> who was suit, compact and authorizative delivery of all the acrorunted news-with its buckground and meaning who must and do keep swee with the important ofvancements in

this sulfity-moving infusers. who welcome the opportunity to pay \$5 a year (against the usual

53) for Aviation News' rapid, accurate appreisal of aviation who can and do act upon your advertising message because they are mission's say management men, buy reflicely and povernouses refer to and leaders of the maze businesses with a vital stake in

the industry.

COURS ALL THE BASES WITH AVIATION NEWS . AIR TRANSPORT . AVIATION McGrow Hill Publishing Co., Sec. + 555 W. (2nd Sc., Nov. York 16, N.Y.













AVIATION NEWS . January 15, 1945



PERSONNEL

Cal R P. Swedford, who was removed

the Legen of

consetts at Wright Field on Several Consolidation of Northwest Airlines

presume! Victor A. Stakes has theny M. Ioponie becomes chief of ance its farmation Actions Man-

Walter S. Ger, Edward S. Goumon, Lawrence W. Matteen, Sc., Boughton W. Clarke and William D. Borne Lawrence M. Malison, Jr., vier pros-American Airlines, Inc., has an-

tiers and ticket offices for the auhas been appointed editorial special-

at in the department of public in-Curb Euchanne, Peter J. McDennell has been made Battern regional W. V. Karkputrick, Jarmen's office

recentrable for coordination of



Mai Thomas M. Lemly (photo), re-

guenner Master E. Beard (photo) promoted to traffic manager. Edwin B. Histop (photo), only traffic manager in Surrangham has been adlittle of superintendent of reservations and achertales. Aften V Berseinghose, former district traffic mated to western distinct truffic

of radice and redro-phonograph



FRYE'S 10TH ANNIVERSARY AS TWA PRESIDENT: brockers given in Washington on his testh another. Air Transport Service operations who made the party an president of Transpositionals and Western presentation, George Spaler, TWA attorney, Lieut. Air. Inc. Loft to right are: Besigness Wilson, six of. Cal Geourd Brophy of the Army Air Perces, and Ocu-

THA's board charmen, Clarette E. Floritto, then F. Braco, TWA mon-president in charge of nor AVIATION NEWS . Junuary 15, 1945

NLY THOSE THUNDERBOLTS "You all know how had \$.2 DELD HAVE SAVED OUR BACON THIS MORNING!

needs pictures for the hir "blits" they're planning... The C.O. told us to get 'em and he don't mean maybe ... It was another sob of sweating it put, and brothers did we sweat

s flak looked like a solid wall and about the time we managed to speak through and get a couple swell takes, things began to happen . . A flock of those one-c-nines that Heinse's been saving, took on as their personal meet...my port number two quit cold...sterboard number one started oking...our navigator copped a packet, the intercom went...then, just as I was beginning to wonr what a shor'nuff pair o' wings would feel like, assorted hell broke out among Schickelaruber's tefal lads ... One burst into fiame off my port wing, a gent making a head-on run disintegrated and by the time I limped around and headed for home, two more lerrys were spinning down and rest of the visiting firemen hightailed away from there . . Believe me, chums, I was between a lp and a prayer when two "P47's, who'd apparently been the total rescue squad, lined up over r tail, proceeded to wet nurse us home, and, as ough it were just another routing chore, flipped *STATISTICS FROM ALL FIGHTING FRONTS ***

ound and went calmly back to the wars." FERFORMANCE OF THE THUNDERBOLT DEMONSTRATE THE UNMATCHABLE

REPUBLIC @ AVIATION malists in High aread, High-altitude Auctuals . Foremorphis, Lang Island, New York, and Evansyelle, Indiana



SIMPLIFIED AIR NAVIGATION, through the correct and continuous indication of True Air Speed, is the latest result of Kolleman's development program. The new True Air Speed Indicator -- a combination Aspected, Altapoter and Thornometer in one interseting assembly-eliminates the separate reading of these instruments and the involved calculations formerly required, yet gives a direct reading more accurate than can be computed. By ridding loop range our navigation of this source of error, Kollsman makes another important contribution to future existion progress.



A. Berrard Bashrook has been 11 0 E. Koppers

tion water, spill be become a fight

John H. Speele has been named di-

Corp., to succeed Suchard T. Harnes

Bebert A. Aspinwall will supposed

postiment of Lores, Constr. John E. Contay as officer in charge of the

John C. Steenen, who has repre-

years, has been marked to represent

Bligh O. Fry succeeds James W. Et-

developed for diversified nonl-war

Moseley, is W. O. Aby, farmer an-

Cat. A. S. Albeo, U. S. Army, re-

tired has been made chief of con-

bus held the Convair position in an

Co., Inc., Bults.

Gerdon C. Sleeper, director of pul-

public relations. M. Costelle as general counsel and manager of the Washington office. R. E. Whitmer (photo) has been

Inc. Whiteer, magager of rates. French who has

auned the airline in 1929 as a radio

lations Liegt W. Jernes MacFartan vice obscrings of the National Auhas been made executive officer of frame Panet of the National Was Jacoph Mack has replaced W. R. Sivers as chief engineer for Arrow D. C. Williams, Ir., has been ap-

Well Mary C. Francisco, WAC staff, Other radge will include Mai, Al promoted to the rank of lieuteeant

column! Her samutant, Dorothy M. Both serve in the office of the asuntant chief of staff for personnel at Louis Gen. Barton K. Yount's Leonard M. Reno, 43, World War on

German planes, died at Popen, Utah, for a ricel company. He joined the Lafayette Escotrille and later trens-(Policy) zince 1943 Errest P. Conture is the new super-

intendent of the industrial engineergeles. During the past eight years Course has been associated with Dougles, Lockheed, Northrep and

Consolidated Vulter Autoral? Com's polarizated of H. A. O'Brien as acting J. Gay Daniel has been named salwage foreman, raptioning S. S. Tolten

Louis P. Mareschal has been apposeted transportation manager is charge of Washington district of

Green H. Mostromery, Jr., Folical Alteraft, Ltd., Mantreal, has been Capt. B. E. Battett, of Winneper

has been elected promisent of the tion, Capt. C. R. Robinson, Edracaton, was elected first vice-president and Cast, George Lethian, Edmon-D. C. Greene has been named day trust manager for Haskelite Manaarea, He fermerly was manager of

Robert H. Retunder, Ir., secretary 1941 succeeding Asses Culbect, next W. L. Scott has been appossled ru nerintendent of reservations and

Moreon B. Benetas has been elected a vice-greatent of General Motors Corn He has just been appointed negard manager of the GMC Truck

manager of the Chevrolet Mesar De-Air Marshal Daughas Culyer has as delegation and E.A.F. measher of the British Joant Stoff Massers, in appropriate to Air Marchat Sir Wil-Eum Welsh, Air Marshal Colper has

Richard H. Diesel, who has been manager of the War Contract Service Department in the Standord Drymon of the Yale and Towner Mayafacturing Co., has been appointed manager of serreft and outsweeters raise with offices in De-



FINANCIAL

Financing of Feeder Aircraft By Local Interests Urged

Advisability of underwriting by persons or organizations located within statisticity served, at least as far as equity issues are concerned, is pointed out by head of John J. Bergen & Co., Ltd.

Proposal by Dander, John J. Hertern, president of John J. Bergen of Studyning conditionary in Co. Lidd, that listed inderested framework transport compared to treeder in transport compared to make the province and the studyning of the business concerned." Intelligence of the studyning of the concerned." Intelligence of the studyning of the concerned. The studyning of the studyning of the concerned of the studyning of the studyning of the feed of the studyning of the studyning of the province of the studyning of the studyning of the Jeruspie on a disputation of the studyning of the of the studyning of the studyning of the studyning of the Jeruspie on a disputation of the studyning of the of the studyning of th

was one of our major problems before the weir. If drive considerafront lessions an bismess said govercements usually under the triffe of contralitation versus decentralitation. Congress intelf expressions of local or regional philosophy reposing the clotter light and powor business when it passed the ruletic Uffility Holding company Autorities, the properties of an expression of the properties of a particle, (Head in prosperance) artisgration, (Head in prosperance) cut-

lossippet corgany serve at a feeder to but one mays artiset, public policy may require that the artise being served shall not know artise being served shall not know artise being served shall not know to the feed at districtive for the load consuper. To be owned. Transced and contunkle cornectly by load possible—"by interests reditated possible—"by interests reditated possible—"by interests reditated possible—"by interests reditated possible—"by interests redible possible interests redipens freds the public interests may not income, load to the public interest may not income, the public interests may not income, the public interests may not income, the public interests may not income, the public interest may not income, the public interests and in the public interests.

securities extered in whatever securities market they find ready seceptiones and on the most structure forms.

P Replaced Capital Markets—When Supreme Court Justice Wilfiam O. Disapins was chairman of the Securities and Sarthing Commission, he strongly odversed the develophe strongly odversed the develop-

local business and said at should care as AVIATION NEWS • Jungery 15, 1945 dispect sales contract used in frameing purchase of automobiles and other chattels, and (3) the chattel marinage."

chattel marigage "
Bergen behaves the least expensive farm of cerporate financing is probably the equipment wint because of the high effice of evafaction and the state of the factor of the high effice of evation of the opigement their not type of financing receible that applicament for the virialism indistity also have possible the topic ment it runt for possible sense.

his opinion the industry must be projected apprint the ever-accessing properties of a properties of regulation and regulations. "De-quality against the relative pedding salitely upon the nature of the regulation to which it may be emborted," Hengen may, "Its are properties, and the properties of the regulating or the an wither and grow strang, or it can wither and "It must not be unfavory or too."

I must all the spatiety or too management of the must be specially of the must be specially or too make the must be specially indicated by the must be specially or to the must be specially prince and states—study, prince and study and prince issues by study and prince is the study and prince issues by st

Northwest Income \$517,889 in 12 Mos.

these local transport compenses, whether because of memorpostees are memoragement or because of an employee an employee and the second compenses of th

ordered.

The Megratin opposite of the cognity for the cognity of the cognity of



FAIRCHILD ANNOUNCES The PACKET FOR AIR CARGO



a wartime need. The Arrey presented the problem to Fairchild engineers: Build a piece that can atilize assessor atmosts and its lower or door dis-Such a plane is The PACKET. It is in the air today, the first of

Felrebild engineering experience has given The PACKET another merrow, with but mixer modification, it can transport the mode of It has the characteristic inherent in all Farehald products—the

Fairchild Hircraft Birlains of Feirchild Englise & Suplant Corporation, Bagerstous, Maryland

AVIATION NEWS . Jamusty 15, 1945

TRANSPORT

CAB Report on Air Service Patterns Likely to Have Wide Ramifications

Expected to be reflected in ferure international negotiations as well as South Atlantic roots hearing

By MERLIN MICKEL

The attenue by Cryll Acressus. Suture international flog opera tions. Yet it can be astropoted that new report on overseas air servtee matterns the internations) corschange in currents travel habris valleys due to fear and foul "saildriacult or muccessible to surface

h Air Travel Advantages - There

during other possess In transand postly pourneys" by surface transportation, and in the trans-

rreat-circle Aboken routes be-Growth of oversens air travel. axes the survey, will being some cially those in trans-Atlantic servsee. Of gross revenue (\$68,699,-0001 from U. S. and freeurs passenger traffic in the trans-Atlantic rorion in 1926, U. S. vesversels 90.54 percent. In the Trans-Pacific region and Africa.



porter Aereas Cestro-Americanos, S. A. (TACA), unit be operating in

Cestral America ofter the year. To meet thu threatened competition, PAA has recently organized four new additional artise companies

This map, prepared by the Research Department of Pan American Airways for the Lates American care, should rouses at believes Trans-

one each in Hendurgs, Costs Stee, Nacoragua and Panema, which still be affiliated with Pan American.

Based as Steamship Records—

results for 1937, and malon no

discribution of world travel, with

tail air traffic development between the U S and Englishspeaking nations of the South

values of oversess or and first

and cabin class travel, the report

AVIATION NEWS . January 15, 1945

the latter comparatively unpreporcounty operations remains uncer-

PAA Forms 4 New Latin American Lines

Organized in Costs Rics, Hoe dura, Niceraras and Panama to where ' Four new national sirline com-

tion. The new correspond will be ▶ Competition - TACA has been siderably when more planes become available Like PAA, TAGA South American operation after

sceners are Willeam J Medden United States identity sweet-

> AA Asks Modification Of Show Cause Order

Reveals plan to our possesses American Airlines has an-

Army, but the actual date for be- order setting a tentative rate of

BRITISH ENSIGN OVER NILE:

world throughout the mar, tromporting many important postengers and trial year freealt. This official photograph shows on Ension or-

May Cur Over 634%

present, seed it did not re-

mad pay for the line at a figure

suggested that the board vacate rate to reflect decrease in pasnominer revenues that American FUAL Plans Reduction-United carriers receiving the mail rate

reduction orders, also has an-

section it appears that the lines retended clash in arread pay



All-star Production

establishing one of the prestest resemble-

More morables are built by Driver. Crossa Chrysler's Dr Soro Dynson.

AVIATION NEWS . January 15, 1945

companies involved, and lead down the

The Septisfornesies' hage engines are

Breing production specialities Massell facilities, processes and manufacturerer

Col Re Rain with law days

erodact if a's "Bush by Boome" it's

DESIGNARY OF THE RID SUPERFORTEDS . THE FLYING PRACTICES . THE NEW STRATINGSCORES TO EAST THE PARTY IN THE PARTY

Relining cargo spaces with

FIBERGLAS*



Pennsylvania Central Archites to saling this, strong, ditioning of the transport plenes which the Army has

The sheets, one-systemsh of an inch thick, are made of layers of Fiberrian child bonded and improvement with one of the new contact assume twelve Used to protect the foseings skin from degrees which wicks reselt from the leading and unleading part strength and is lighter in weight then the cores. gated metal formerly installed. The combination of scal properties. It has recoilent dimensional scabillaunder a wide runns of transporture and barroffte changes. It has high sound deseporing qualities aspertant in aircraft construction. Other tyres of Fibergles (fibrous class in various forms) are being used by the sulftury and com-If you do not have complete date on Fibergies

which Fiberalas may belo solve, write Owene-Corning Februskes Corp., 1892 Nicholas BMs , Toledo 1, Okin. In Conada, Fibereiss Canada LoL, Oshawa, Outares













FIBERGLAS

Runway Construction Problems Discussed by SAE in Detroit

Stufford of CAA sees leaoth will point up, although and may be in sight; 300-foot width maximum usable, passems to be improved, particularly for short haul operators; pavements and undercarriage for increasingly heavy aircraft studied.

Asympt designers found with since two points still appoint the ment immediately after the war, toward greater thickness, better

though the end may be in night h Bernary Width-Above 300 foot mem for \$50, or \$00, hed wind for the 100-respense places being Busway Patterns-Arrort de-

could be served by a given weight

strengt Dual tires, he says, give

AUTATION NEWS . January 15, 1965

Runway Requirements This eventurion of weights

DC-3 and DC-7

service of large planes each or the pert feculaties or international ear-

of Lockherd Aircraft Corp., du-



Bryisions Likely-Three types of

for years after the war. Either

is near in service on Continental's Denter-Topeka-Kamaz City opercsee It is the first of three such ships allocated to the fine

and in design and development provements for the operator or cus- | Bestes to Nasterket-AM 70 extending from Boston to Nanauthorized by a CAB certificate.

Sale of Mayflower To NEA Completed

Ore Shipped By AA Purchase proce of the route was \$17.59% and was the muse of opp. State College Shapment was by between CAB, Northeast, and the Ark, for use in a \$600 decree



Armes sterling only, or owner WESTERN'S ALEUTIANS ROUTE:

Board had attempted to limit this. The pre was moved by air to fore-

2 Vacancies in Key Personnel of CAB

Durch Force Active

Communication flights between

AVIATION NEWS . James 11, 1948







Of man's achievements in opening new sources of power, perhaps the greatestcertainly the most spectocular-is in electronics. The science of electronics is opening new avenues of productiveness and efficiency to industry. Here man probes almost to the source of energy itself to harness and release new forces. Through the medium of the Electron Vacuum tube, you can put this new power to work. "Eimac" have been exclusively engaged in the development, perfection and production of Flecting Vacuum tubes for more than a decade. During this time they have become first choice of leading electronic equipment manufacturers the world over. When selecting equipment for your application, look first for the name Eimac on the tubes.

FCTRONICS

from the Netherlands Mitchell bomber squadron operating in Bel-

Sorrell to Return To U. of Chicago Respect and pleasing director will recan ATA assumpted on

Communion for the last were to saint in Sorrell's department expects to return in about a month. after which time he will be in Data Collected--No has been neutron Reard's study of nonscheduled operators and prospec-Do Robinson has been working nortation at the ICC. He is a for-

mer instructor at James Millikin University at Decatur, Bl., in boss-Dr. Sprzeli will deal nazticularuncy, 1942, with a year's leave

10 More Transports Allocated to Airlines

Ten additional DCu3 tone treeswere assigned, one going to Zimmerly Air Transport, now operating a war contract service, and darmn moneoring days in the Pacific etc.



Barold F. Blackberr seld two Luckheeds and NAB, one. TWA, two, one each to American Mid-Continent, Northwest, Pan the sirines' fight amount surface . Brings Total to 194-The new near future, with a few more

47 Passengers Die

In Landing Crashes

when a 10-year-old Martin-built amphibian, south-bound on the h Pless Over 12 988 886 Miles-The Caribbean service from Misser plane had been operated in excess

TWA Reorganization Near Completion

Jack Prop. TWA remainst, said

tail work so it can concentrate A Transportation Dest ... This is portation department, under Vice traffic and operations in his dis-

Eastern Berron is bended by W. sas City, and the Western Resson

named manager of TWA's tenaresetinental Donner in Washingyear TWA voteron has been in the company since July, 1942 spolled for, the new administrative system can be sensely ex-

The Martin Mars Stands for Safety! CURRENT ON 2 EVENTS: Decembering

WHO will be comorrow's overcome air-

line passengers? Rooms surveys tell us that 45 is the approximate age at which the ercatest number of sodies tops are taken. to travel abroad. Older, more conservative, they will probably be awared by consideramons of safety-will undeabredly pecks

Mars Transports Stress Safety

As a floor best the Mercens senses greater inhorast salory than landstages for extended --overocean trips. Then, 100, 101 hone size and streagth give the cope successfully with heavy waves. More,

modern safety devates of every sort have been proproposated as its design. To safety, as an psyload and low operating cost, the Martin

Tested and Proven in Service

Most veryware of all the Marchas been see with the Newy All "been" have been seased out, all fedings have been racco-

in commercial evenus of the More.



Air Cargo Study Pledged By Lea

whose Congress rakes up assistion

Delta Asks Extension To Jacksonville, Fla. phia via Tupelo, Miss., Burming-



cient production are the rewards of twenty-five years devoted to manufacture of circraft.

C-87's to Consairway

Among other things, he pointed

cargo as well as passenger fune-

to contends, an unfact boost in

The lime also revansed after-

F Plans Stock In-us-C. E. Weel-

to 499,860 of 500,000 nuthermed.

sult from development of a cargo made in routes flown by Consur-Christman Island, Canton Island.

tions by one company would result rance such to Leyte. Early Action Likely On New Lea Bill

Measure Sevices - Lon told the

CAB SCHEDULE

Ass., 17. Grid awarent on respect prothan of Hamphodishbase Gipell for-east (Doniel III) at 431 Augustu ber-ed by James of service to Works Fell-and Lathony, France James Line Environment (Lathony Barton) James Line Environment (Lathony Barton) publishes to California desemble on leasts of Alf 1, Alf II and Spettyris runs, (Charles Mrt and 1849), Islandon Probacting renformer on applica-wides the general arts of Vignes o Caroline, Seeth Chroline, Georgia one, and December Jan. 15. Only own Jan. 16 Colored Agricon proceeding to fix may pay you for FAM 1 has see each dee to have Lake Shall on your Colored 15 of all 1 Progress of the Jan. 14. Handing to Toxas-Ohiphoms care be-fore markets Thomas L. Wester in Gran-East, Nov. Worth, Trans. (Built) 171

Feb. 2. Comments grants of the service, grants of the monotologist at a service. Feb. 25. Establic chiefe des in Nech Comments services ones, (chiefe del le el.)
Feb. 16. Establic des le Material Material
Feb. 16. Establic des le Material Material
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M. 18. Chiefe de la Material
A.M. 18. Inches de la Material
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A.M. 18. Inches della

3430, the legalation he introduced mental and will continue in effect

REA Cuts Rates on Air Express

b Lawer Rates—The rates are conally established by REA. For less

in Braud's rates to attract ship-The tariffs are largely experi-

CAB ACTION

 The Department of Justice, the City of Milwester and Street Arrests here to release that personnel is increase in the New Control Engineers. tiants and fewritt. The amount medium of the new fewrites 12 application has been devices the significant time fewrites 12 application has been substituted fact there amounted in the next and new and new fact there amounted in the next and new and a \$. Ontid Api Laura ben filled with GAR as the of 20 attention to mixture amounted and and 11 terrores for contract Colff. and Experies. One, happering Starbles, One.

Son Frencisco apport officials."

Mid-Contract showed a net loss

1953, because of secreed degrees.

Pin American Airways quotes

Australian domestic aptines' traff mess over 1830, although fren



HARRIS A-N standard

drawing AN-8008

They have been an-

proved by AAF (Wright Field) and are used ex-

tensively by the Army Navy and aircraft Made in the full range Wire or write for further details

CLEVELAND 4. OHIO

New Mechanics Regulations FORTENAMELY, THE WHOLE ATTITUDE OF CAA'S Gen-eral Inspection Division and of operators and private flyers appears to be changing on the Covil markowicz' certificates, and favouship action is an

The new Part 24 of the Civil Air Regulations proposed by CAB's Safety Bureau has been widely mininterpreted and as a result a large part of the comment received up to a short time ago was unfavorable However, wherever the Bureau has has been made more complicated rather than sampler and it is true that new categories have that although it has been generally arreed for

is that to obtain a merbanic certificate un conficent must pass an examination covering aircraft rangof the transports. This was obscounty unfor to craft, because they could not prepare to pass an was arbitrarily divided into two categories, for arroraft up to 5,000 nounds gross weight, and the sines were divided at the 500 hp point

Another step in modernising this part is the mechanics on the line and those who confined their efforts to shop work. For this reason, the "overhan) and repair" were introduced. The next commendable step in modernmation was to fill the turn aircraft back into service without recourse to a CAA inspector. This resulted in setting up a mechanic rating higher than any receivably in effect decirrated as "first class." The maristist ratings were included to take care of those many

The first point of migandenstanding was the reneral interpretation that approved repair stations and operators would be able to hire only certifimechanic they would be required to hire various specialists. This is not the case, however, as the leges of the present mechanic and may work upon his rature and the remained first class machines. om, m admition, return aircraft to service, pro-

If the problem is enalyzed in the light of modern requirements and studied as to how at will way complicated, and appears to represent another

Underestimating the Japs

A AUBOUGH THESE IS NO CAUSE for undue alarm, of A is time that the American public realizes that arrough looses in the Pacific will ruse substantially. whelmingly favorable box scores of the past, automatically discounts Japanese arraower. There are Oct. 11. 1963. November, Assayana News' Avr. War. years that Part 34 should be brought up to dote commentator, warned that new appropriate of the equipment which brought them nearer battle time Secretary Forrestal stated that the U. S. did the Parelle energy as a year earlier. On Oct. 2 Navarator pointed out that "there is increasing Army and Navy fighters are reported as in pro-

> Navagatog's analysis two weeks ago, covering Supan and Japan areas, lent support to the revised statement of Secretary Forrestal that the and General Kenney, commander of the Far Eastlust now being met in action. At least 6 new Jap. types have been encountered, including at least Jan types with current U. S. types. even the Allies' most important wartime services the Germans' revolutionary robot or rocket bombs, While we, too, have important new planes under a year ago and it will require the utmost energy



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